



**COMBINED DECLARATION AND PRINCIPAL POWER OF ATTORNEY  
FOR PATENT APPLICATION**

As a below-named inventor, I (we) hereby declare that:

My (our) residence, post office address and citizenship, is (are) as stated below next to my (our) name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**NANOTRANSFER AND NANOREPLICATION USING DETERMINISTICALLY GROWN SACRIFICIAL  
NANOTEMPLATES**

the specification of which

— is attached hereto.

X was filed on December 31, 2003 as Application No. 10/774,699  
and was amended on \_\_\_\_\_.  
(If Applicable)

I hereby state that I (we) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment specifically referred to above.

I (we) acknowledge the duty to disclose all information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
			YES	NO

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below:

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto
		<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto

I hereby claim the benefit under 35 U.S.C. 120 of any United States Application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<b>U.S. Parent Application or PCT Parent Number</b>	<b>Parent Filing Date (MM/DD/YYYY)</b>	<b>Parent Patent Number (If applicable)</b>

*Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.*

I (we) hereby appoint the following attorneys and/or patent agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

George L. Craig	Registration No. 29,293
Judson R. Hightower	Registration No. 26,603
Joseph A. Marasco	Registration No. 32,798
James M. Spicer	Registration No. 26,096
Shelly L. Stafford	Registration No. 38,623
Kirk A. Wilson	Registration No. 45,939

All of:      UT-Battelle, LLC  
                  P. O. Box 2009  
                  Oak Ridge, Tennessee 37831-8243

**Please direct all correspondence and telephone calls to the individuals identified in the Associate Power of Attorney.**

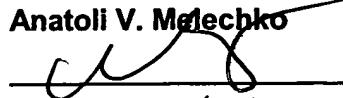
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

---

Name of First Inventor:

Anatoli V. Melechko

Signature:

  
07/01/04

Date:

Russia

Citizenship:

504 Valparaiso

Residence Address:

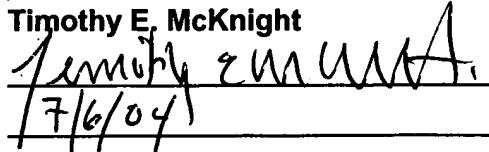
Oak Ridge, TN 37830

---

Name of **Second** Inventor:

**Timothy E. McKnight**

Signature:



---

Date:

7/6/04

---

Citizenship:

**United States of America**

Residence Address:

**24070 Highway 95 N  
Greenback, TN 37742**

---

Name of **Third** Inventor:

**Michael A. Guillorn**

Signature:

---

Date:

---

Citizenship:

**United States of America**

Residence Address:

**700 Stewart Ave #3  
Ithaca, NY 14850**

---

Name of **Fourth** Inventor:

**Bojan Ilic**

Signature:

---

Date:

---

Citizenship:

**Yugoslavia**

Residence Address:

**145 Coddington Road, Apt. 1B  
Ithaca, NY 14850**



---

Name of **Fifth** Inventor: **Vladimir L. Merkulov**  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Citizenship: **United States of America**  
Residence Address: **1634 Laurel Avenue #B-12**  
**Knoxville, TN 37916**

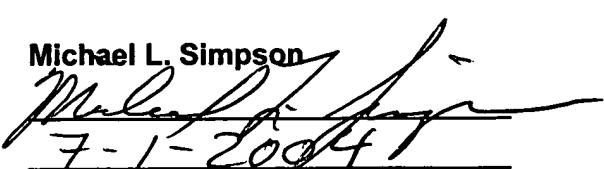
---

Name of **Sixth** Inventor: **Mitchel J. Doktycz**  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Citizenship: **United States of America**  
Residence Address: **1405 Rush Limbaugh Lane**  
**Knoxville, TN 37932**

---

Name of **Seventh** Inventor: **Douglas H. Lowndes**  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Citizenship: **United States of America**  
Residence Address: **2720 Pine Hill Drive**  
**Knoxville, TN 37932**

---

Name of **Eight** Inventor: **Michael L. Simpson**  
Signature:   
Date: 7-1-2004  
Citizenship: **United States of America**  
Residence Address: **7745 Nubbin Ridge Road**  
**Knoxville, TN 37919**

---

---

Name of Second Inventor: **Timothy E. McKnight**  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_  
Citizenship: **United States of America**  
Residence Address: **24070 Highway 95 N**  
**Greenback, TN 37742**

---

Name of Third Inventor: **Michael A. Guillorn**  
Signature: *Michael Guillorn*  
Date: *7/6/04*  
Citizenship: **United States of America**  
Residence Address: **700 Stewart Ave #3**  
**Ithaca, NY 14850**

---

Name of Fourth Inventor: **Bojan Ilic**  
Signature: *Bojan Ilic*  
Date: *7/6/04*  
Citizenship: **Yugoslavia**  
Residence Address: **145 Coddington Road, Apt. 1B**  
**Ithaca, NY 14850**